

L Number	Hits	Search Text	DB	Time stamp
3	1	"0359585".pn.	USPAT;	2004/08/10 10:13
4	1	"0647495".pn.	EPO	2004/08/10 10:13
-	11085	(distort\$3 or deformat\$3) same weld\$3	USPAT	2004/08/04 16:03
-	13110	(distort\$3 or deformat\$3) same weld\$3	USPAT;	2004/08/04 16:04
-	1127	(distort\$3 or deformat\$3) same weld\$3 same (model\$3 or design\$3)	US-PGPUB	2004/08/04 16:04
-	3464	(703/2,7,;700/29,30,31,96,145,182,245;434/234).ccls.	USPAT;	2004/08/04 16:07
-	291	((703/2,7,;700/29,30,31,96,145,182,245;434/234).ccls.) and (weld\$3)	US-PGPUB	2004/08/04 16:07
-	106	((703/2,7,;700/29,30,31,96,145,182,245;434/234).ccls.) and (weld\$3)	USPAT;	2004/08/04 16:07
-	1	same (model\$3 or design\$3)	US-PGPUB	2004/08/04 16:08
-	1	((703/2,7,;700/29,30,31,96,145,182,245;434/234).ccls.) and (weld\$3)	USPAT;	2004/08/04 16:08
-	15	same (model\$3 or design\$3) same (distort\$3 or deformat\$3) same (pre-camber\$3 or bend\$3)	US-PGPUB	2004/08/05 10:57
-	47	("4596917"   "4803331"   "5126528"   "5243665"   "5380978"   "5548539"   "5729345"   "5852273"   "5901426"   "5917726"   "5965038"   "6057523"   "6088678"   "6132108"   "6195594"   "2001/0028122"   "2002/0019726").PN.	USPAT	2004/08/05 11:15
-	0	(distort\$3 or deformat\$3) same weld\$3 same (model\$3 or design\$3) same (pre-camber\$3 or bend)	USPAT;	2004/08/04 16:17
-	0	"6470756","6470301","5886263".pn.	US-PGPUB	2004/08/04 16:17
-	0	"6470756","6470301","5886263"	USPAT;	2004/08/04 16:17
-	1	"6470756".pn.	US-PGPUB	2004/08/04 16:17
-	1	"5886263".pn.	USPAT;	2004/08/04 16:19
-	1	"6470301".pn.	US-PGPUB	2004/08/05 10:36
-	1	"6398102 ".pn.	USPAT;	2004/08/05 10:36
-	1	"4475963".PN.	US-PGPUB	2004/08/05 10:47
-	0	20020134816.URPN.	USPAT	2004/08/05 11:04
-	15	("4596917"   "4803331"   "5126528"   "5243665"   "5380978"   "5548539"   "5729345"   "5852273"   "5901426"   "5917726"   "5965038"   "6057523"   "6088678"   "6132108"   "6195594"   "2001/0028122"   "2002/0019726").PN.	USPAT	2004/08/05 11:05
-	1	6768974.pn.	USPAT;	2004/08/05 11:19
-	3	("4596917"   "4998663"   "5552575").PN.	US-PGPUB	2004/08/05 11:15
-	1	"6627841" .pn.	USPAT	2004/08/05 11:24
-	15	("4596917"   "4803331"   "5126528"   "5243665"   "5380978"   "5548539"   "5729345"   "5852273"   "5901426"   "5917726"   "5965038"   "6057523"   "6088678"   "6132108"   "6195594"   "2001/0028122"   "2002/0019726").PN.	US-PGPUB	2004/08/05 11:19
-	0	"440148 " .pn.	USPAT;	2004/08/05 11:24
-	1	"440148 " .ap.	US-PGPUB	2004/08/05 11:25
-	0	"440148 " .ap.	US-PGPUB	2004/08/05 11:26
-	1	"616457" .ap.	US-PGPUB	2004/08/05 14:56
-	1	"745561" .ap.	US-PGPUB	2004/08/05 14:59
-	1	Brust .in. and (weld\$3 same simulation)	US-PGPUB	2004/08/05 15:00
-	2	Brust .in. and (weld\$3 same simulation)	USPAT;	2004/08/05 15:12
-	207	(weld\$3 same simulation)	US-PGPUB	2004/08/05 15:12
-			USPAT;	2004/08/05 15:12

-	3	(weld\$3 same simulation) and (re-camber\$3 or Pre-strain\$3)	USPAT;	2004/08/05 15:16
-	1	6627841.pn.	US-PGPUB	2004/08/05 15:16
-	55	(distort\$3 or deformat\$3) same weld\$3 same (model\$3 or design) same	USPAT;	2004/08/06 10:45
-	431	((pre-camber\$3) or bend\$3)	USPAT;	2004/08/06 10:46
-	1	((703/6,7,5;228/103,101;219/137).ccls) and (distort or deformat\$3)	USPAT	2004/08/06 10:50
-	51	((703/6,7,5;228/103,101;219/137).ccls) and ((induced adj distort) or	USPAT;	2004/08/06 10:51
-	3	(induced adj deformat\$3)) same weld\$3	US-PGPUB	2004/08/06 15:59
-	15	((703/6,7,5;228/103,101;219/137).ccls) and ((induced adj distort) or	USPAT;	2004/08/06 10:52
-	0	(induced adj deformat\$3)) same weld\$3 same simulat\$3	US-PGPUB	
-	18	('4596917"   "4803331"   "5126528"   "5243665"   "5380978"	USPAT	
-	305	"5548539"   "5729345"   "5852273"   "5901426"   "5917726"   "5965038"		
-	255	"6057523"   "6088678"   "6132108"   "6195594"   "2001/0028122"		
-	202	"2002/0019726").PN.		
-	22	20020134816.URPN.	USPAT	2004/08/06 10:56
-	9	ship same construction and welding and (simulation or modeling)	USPAT;	2004/08/06 16:00
-	9		US-PGPUB;	
-	14	prestrain or precamber\$4	JPO	2004/08/06 16:01
-	126		USPAT;	
-	128	prestrain or precamber\$4	US-PGPUB;	2004/08/06 16:01
-	0	prestrain or precamber\$4	JPO	2004/08/06 16:01
-	0	(prestrain or precamber\$4) and (simulation or modeling)	USPAT	2004/08/06 16:02
-	0	welding.ti. and simulat\$5.ti.	USPAT	2004/08/06 16:02
-	0	welding.ti. and simulat\$5.ti.	USPAT;	2004/08/06 16:02
-	0		US-PGPUB	
-	0	welding.ti. and simulat\$5.ti.	USPAT;	2004/08/06 16:03
-	0		US-PGPUB;	
-	0	welding.ti. and simulat\$5.ti.	JPO	2004/08/06 16:03
-	0		USPAT;	
-	0	welding.ti. and simulat\$5.ti.	US-PGPUB;	2004/08/06 16:03
-	0		JPO;	
-	0	welding.ti. and simulat\$5.ti.	DERWENT	2004/08/06 16:18
-	0		USPAT;	
-	0	"6311135","4697239","6292715","6560498","5852273".pm/	US-PGPUB;	
-	0	"6311135","4697239","6292715","6560498","5852273".pn.	EPO; JPO;	2004/08/06 16:20
-	0	("6311135","4697239","6292715","6560498","5852273").pn.	DERWENT	2004/08/06 16:20
-	1	6311135.pn.	USPAT	2004/08/06 16:21
-	1	4697239.pn.	USPAT	2004/08/06 16:26
-	1	6292715.pn.	USPAT	2004/08/06 16:35
-	1	5762723.pn.	USPAT	2004/08/06 16:46
-	1	5917726.pn.	USPAT	2004/08/06 16:48
-	1	5901426.pn.	USPAT	2004/08/06 16:56
-	3	"3904845"	USPAT	2004/08/08 14:35
-	1	"6208146"	USPAT	2004/08/08 14:39
-	934	induced adj distortion	USPAT	2004/08/08 14:41
-	1688	induced adj (distortion or deformation)	USPAT	2004/08/08 14:42
-	1	(induced adj (distortion or deformation)) and (welding same simulat\$4)	USPAT	2004/08/08 14:43
-	0	(induced adj (distortion or deformation)) and (welding same	USPAT	2004/08/08 14:44
-	9	simulat\$4).ab.		
-	3	(welding same simulat\$4).ti.	USPAT	2004/08/08 15:09
-	0	(distortion same simulat\$4).ti.	USPAT	2004/08/08 14:50
-	10	(distortion same simulat\$4 same weld\$3).ti.	USPAT	2004/08/08 14:50
-	0	(distortion same weld\$3).ti.	USPAT	2004/08/08 14:50
-	14212	(welding same simulat\$4) same (distortion or deformation).ab.	USPAT	2004/08/08 15:09
-	31	(welding same simulat\$4 same distortion or deformation).ab.	USPAT	2004/08/08 15:10
-		(welding same simulat\$4).ab.	USPAT	2004/08/08 15:44

-	3	"5729345"	USPAT	2004/08/08 15:45
-	1	"5729345".pn.	USPAT	2004/08/08 16:28
-	1	pre-straining adj distortion	USPAT	2004/08/08 16:28
-	1	pre-straining same distortion	USPAT	2004/08/08 16:29
-	5680	(pre-strain\$3 or bend\$3) same distortion	USPAT	2004/08/09 08:50
-	128	(pre-strain\$3 or bend\$3) same distortion same welding	US-PGPUB	2004/08/09 09:23
-	1	745561.ap.	US-PGPUB	2004/08/09 09:23
-	30740	distortion	US-PGPUB	2004/08/09 09:25
-	8	distortion and pre-strain\$3	US-PGPUB	2004/08/09 09:48
-	2	distortion and (pre-strain\$3 same welding)	US-PGPUB	2004/08/09 10:07
-	6	pre-camber\$3	US-PGPUB	2004/08/09 10:08
-	3031	weld\$3 same bend\$3	US-PGPUB	2004/08/09 10:12
-	4	weld\$3 same bend\$3 same camber\$3	US-PGPUB	2004/08/09 11:10
-	2	weld\$3 same bend\$3 same camber\$3 same strain\$3	USPAT;	2004/08/09 11:11
-	3	"5729345"	US-PGPUB;	
-	1	ludewig.in. and distortion.ti.	EPO; JPO	
-	16	("4594497"   "4815006"   "4990743"   "5104216"   "5151608"   "5206474"   "5235855"   "5275327"   "5303034"   "5374830"   "5430547"   "5495090"   "5511007"   "5550347"   "5582750"   "5597498").PN.	USPAT;	2004/08/09 11:20
-	9	"5901426"	USPAT	2004/08/09 11:12
-	2	("5349735"   "5467517").PN.	USPAT;	2004/08/09 11:52
-	20880	welding same (strain\$3 or fit)	EPO; JPO	2004/08/09 11:22
-	860	welding same (strain\$3 or fit) same (camber\$3 or bend\$3)	USPAT;	2004/08/09 11:56
-	3	weld\$3 same simulat\$4 same distortion same camber\$3 same strain\$3	US-PGPUB;	
-	3	weld\$3 same simulat\$4 same (distortion or deformat\$3) same (camber\$3 or bend\$3) same strain\$3	EPO; JPO	
-	3	weld\$3 same simulat\$4 same (distortion or deformat\$3) same (camber\$3 or bend\$3) same (strain\$3 or fit)	USPAT;	2004/08/09 14:41
-	9	"5901426"	US-PGPUB;	2004/08/09 14:43
-	9	"5901426"	EPO; JPO	
-	1	"5901426".pn.	USPAT;	2004/08/09 14:44
-	1	"5917726".pn.	US-PGPUB;	2004/08/09 15:05
-			EPO; JPO	
-			USPAT	2004/08/09 15:05
-			USPAT	2004/08/09 18:53
-			USPAT	2004/08/10 10:12

## Patent Assignment Abstract of Title

**Total Assignments: 1****Application #:** 09729533 **Filing Dt:** 12/04/2000**Patent #:** NONE**Issue Dt:****PCT #:** NONE**Publication #:** US20020019726**Pub Dt:** 02/14/2002**Inventors:** Patrick J. Crilly, Yi Dong, Keith A. Herman, Yuping Yang, Frederick W. Brust, Wayne R. Tanner**Title:** Method for controlling distortion of a material during a weld process**Assignment: 1****Reel/Frame:** 011373/0915**Received:**  
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03/09/2001**Pages:**  
10**Conveyance:** ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).**Assignors:** CRILLY, PATRICK J.**Exec Dt:** 11/27/2000DONG, YI**Exec Dt:** 11/27/2000HERMAN, KEITH A.**Exec Dt:** 11/27/2000TANNER, WAYNE R.**Exec Dt:** 11/22/2000YANG, YUPING**Exec Dt:** 09/01/2000BRUST, FREDERICK W.**Exec Dt:** 09/01/2000**Assignee:** CATERPILLAR INC.

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